



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

MEMORANDUM

To: See Distribution
From: Kevin Christensen, P.E.
Construction Engineer
Date: January 5, 2009
Subject: Supplemental Specification Addition: 207.03.6 Foundation Preparation, 603.05 Payment (Foundation Preparation)

The Construction Administration Services Bureau is proposing changes to Standard Specifications 207.03.6 Foundation Preparation, 603.05 Payment (Foundation Preparation) following the Standard Specification Revision Process outlined in the Construction Engineer's Memorandum dated May 2008. The following information is provided.

1. 207.03.6 Foundation Preparation, 603.05 Payment (Foundation Preparation) will be modified.
2. The Proposed Draft of the change is attached along with this memorandum.
3. Revisions to the Standard Specifications may allow the use of flowable fill as a foundation material.
4. Those impacted by the change include:
Construction, Contractors
5. The following individuals were consulted and/or involved in developing the proposed revisions:
CAS, CES Bureau

*It is requested that written comments on **the proposed revisions only**, be returned to mdtspecifications@mt.gov no later than 1-30, 2009.*

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207.03.6 Foundation Preparation

Compact foundations for culverts, sewers, drains, pipes, tubing, and appurtenant structures to the moisture and density requirements of Subsection 203.03.3.

Remove unstable or unsuitable material encountered below the excavation floor elevation and replace with material meeting Subsection 701.04.2. Cover with bedding material meeting Subsection 701.04.1 as directed. Substitute excavatable flowable fill as bedding material only with the Project Manager's prior approval. A request to use flowable fill must be submitted a minimum of 10 working days prior to use. The Project Manager will investigate unstable pipe installations requiring 4 feet (1.2 m) or more of foundation material.

Remove unyielding material below the staked elevation to at least 12 inches (305 mm) and replace with bedding material meeting Subsection 701.04.

Bed culverts larger than 12 inches (305 mm) as shown in the Detailed Drawings. Place bedding for 12-inch (305 mm) diameter and smaller culverts to uniformly support the culvert throughout its length. The bedding does not need to conform to the outside of the culvert.

Do not lay pipe until the foundations are approved by the Project Manager. Remove and relay pipe laid on unapproved foundations at Contractor expense.

603.05 BASIS OF PAYMENT

Payment for the completed and accepted quantities is made under the following:

<u>Pay Item</u>	<u>Pay Unit</u>
Pipe (Type and Size)	Foot (meter)
Bedding and Foundation	Cubic Yard (cubic meter)
Embankment Protector	Foot (meter)

Payment at the contract unit price is full compensation for all resources necessary to complete those items of work under the contract.

Payment for all costs associated with excavation, foundation preparation and backfilling is included in the unit price bid per foot (meter) of pipe.

No additional payment will be made for the use of excavatable flowable fill used as bedding material.